

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled FAILSAFE DISPLAY OF FRAME LOCKED GRAPHICS, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of the U.S. provisional application listed below:

**Provisional Application No.**

60/273,903

**Filing Date**

March 6, 2001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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**Full name of sole inventor:**

Inventor's signature:

Robert Y. Greenberg

(Date)

Residence:

Portland, OR

Citizenship:

U.S.A.

Post Office address:

7679 S.W. Leslie Street  
Portland, OR 97223

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Robert Y. Greenberg

For: FAILSAFE DISPLAY

Filed: March 6, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231

**POWER OF ATTORNEY FOR PROVISIONAL APPLICATION**

I, Robert Y. Greenberg, Vice President of Product Development and Customer Support, of Pixelworks, Inc., having a place of business at 7700 SW Mohawk Street, Tualatin, Oregon 97062, assignee of the entire right, title and interest of the above-described U.S. patent application, by the assignment submitted herewith for recordal, represent that I am empowered to sign on behalf of assignee.

As assignee of the above identified application, all powers of attorney previously given are hereby revoked and the following attorneys and/or patent agents are hereby appointed to file a U.S. patent application based on this provisional application, to file a corresponding international application, to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Customer No. 20575

<u>Attorney Name</u>	<u>Registration No.</u>
Jerome S. Marger	26,480
Alexander C. Johnson, Jr.	29,396
Alan T. McCollom	28,881
James G. Stewart	32,496
Glenn C. Brown	34,555
Stephen S. Ford	35,139
Gregory T. Kavounas	37,862
Scott A. Schaffer	38,610
Joseph S. Makuch	39,286
James E. Harris	40,013
Graciela G. Cowger	42,444
Ariel Rogson	43,054
Craig R. Rogers	43,888

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ARLINGTON, VA 22202-3513

ON: MAY 3, 2001

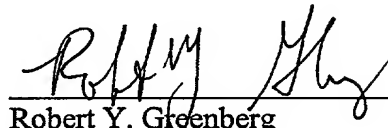
Shawna Moe

Direct all telephone calls to Graciela G. Cowger at (503) 222-3613 and send all  
correspondence to:

Marger Johnson & McCollom, P.C.  
1030 SW Morrison Street  
Portland, Oregon 97205

PIXELWORKS, INC.

Date: 3/7/01



Robert Y. Greenberg  
Vice President of Product Development  
and Customer Support

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

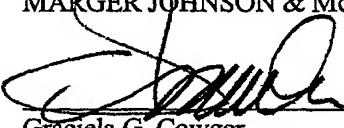
Box ASSIGNMENT  
Assistant Commissioner of Patents  
Washington, D.C. 20231

Please record the attached original document and return the recorded instrument to the undersigned.

1. Name of party conveying an interest: Robert Y. Greenberg
2. Name and address of party receiving an interest: Pixelworks, Inc.  
7700 SW Mohawk Street  
Tualatin, OR 97062
3. Description of the interest conveyed:  
☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger  
Date of execution of attached document: March 8, 2001
4. Application number(s) or patent number(s). Additional sheet attached? Yes \_\_\_ No X  
A. Patent Application No. 60/273,903 B. Patent No.
5. Name and address of party to whom correspondence concerning document should be mailed:  
MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, Oregon 97205  
Telephone: (503) 222-3613
6. Number of applications and patents involved: 1
7. Enclosed is our check for \$40 to cover the assignment recordation fee.
8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: May 3, 2001

Respectfully submitted,  
MARGER JOHNSON & McCOLLOM, P.C.

  
Graciela G. Cowger  
Reg. No. 42,444

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
(503) 222-3613

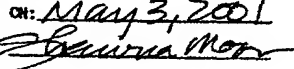
Total number of pages comprising  
cover sheet and attached assignment: 3

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☐ ASSISTANT COMMISSIONER FOR  
TRADEMARKS 2800 CRYSTAL DRIVE  
ARLINGTON, VA 22202-3513

on: May 3, 2001  


PROVISIONAL PATENT APPLICATION  
Attorney's Do. No. 7293-21

ASSIGNMENT

Assignor: Robert Y. Greenberg  
Address: 7679 SW Leslie Street  
Portland, OR 97223

Assignee: Pixelworks, Inc.  
Address: 7700 SW Mohawk Street  
Tualatin, OR 97062

Title of Invention: FAILSAFE DISPLAY

Application Serial No.: 60/273,903

Filing Date: March 6, 2001

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☒ ASSISTANT COMMISSIONER FOR  
PATENTS, WASHINGTON D.C. 20231

☐ ASSISTANT COMMISSIONER FOR  
TRADEMARKS 2000 CRYSTAL DRIVE  
ARLINGTON, VA 22202-3513

ON: May 3, 2001

*Shawna M. [Signature]*

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

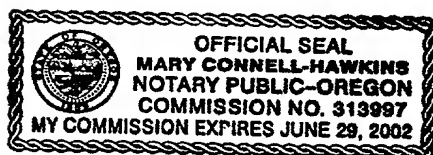
In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Tualatin, OR, this 8<sup>th</sup> day of March, 2001.

Robert Y. Greenberg  
Robert Y. Greenberg  
Assignor

STATE OF Oregon )  
County of Washington ) ss.

Before me this 8<sup>th</sup> day of March, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Mary Connell-Hawkins  
Notary Public for Oregon  
My commission expires: 6/29/2002